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ABSTRACT

Findings from the General Scholarship Program in the Commonwealth of Massachusetts for fiscal year 1988 are presented. The data suggest that the financial aid program is promoting its goals for Massachusetts students to provide greater access for the neediest of students by ensuring that those with the most financial need receive the largest scholarship award. Some of the specific findings are as follows: during the 1988 fiscal year, more than 105,000 students applied for state scholarships, and nearly 43,000 received General Scholarship awards totaling over $57 million; about half of the scholarship recipients attended Massachusetts public colleges and universities while about one third attended Massachusetts independent colleges and universities; about 18% of the applicants for state scholarships reported incomes of less than $5,000 and 60% of those applicants received awards; men received slightly higher average awards than women, and Asians received the highest average award among the race categories; and of the students receiving awards and reporting incomes less than $5,000, a greater proportion were women (66.2%), Black (11.8%) Hispanic (9.9%), Asian (8.9%), Native American (0.6%), and older than 29 years of age (28.6%) than were observed in the distribution of total enrollments. (SM)

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Board of Regents of Higher Education

General Scholarship Program Report
Fiscal Year 1988

Massachusetts Public Higher Education

June 1989

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SUMMARY

Findings from the General Scholarship data for the 1988 fiscal year indicate that the financial aid program is promoting its goals for Commonwealth of Massachusetts students. Across the state's public and independent sectors, the students with the lowest reported incomes received the highest number of awards and the highest average awards. Overall, more females, minorities, and younger students received scholarship monies than the proportion of these students who were enrolled.

In general, the higher the required educational costs to attend an institution, the greater the average award the student received. Although noticeably more students attending public colleges and universities received awards than those attending the independent colleges and universities, the students attending the more costly independent colleges and universities received higher average awards than those attending the less costly public colleges and universities. Also, within the public sector, the higher the educational costs of the segment, the greater the average award the student received.

Some of the specific findings include:

- During the 1988 fiscal year, more than 105,000 students applied for state scholarships. Nearly 43,000 received General Scholarship awards totaling over $57 million.
- About half of the scholarship recipients attended Massachusetts public colleges and universities while about a third attended Massachusetts independent colleges and universities.
- Students attending Massachusetts independent colleges and universities received more than half of the scholarship monies awarded while those attending the public colleges and universities received about a quarter.
- About eighteen percent of the applicants for state scholarships reported incomes of less than $5,000. Sixty percent of these applicants received awards. About a third of all the scholarship monies were paid to these students.
- Of those students receiving awards and reporting incomes less than $5,000, a greater proportion were women (66.2%), Black (11.8%), Hispanic (9.9%), Asian (8.9%), Native American (0.6%), and older than 29 years of age (28.6%) than were observed in the distribution of total enrollments (54.8%, 4.9%, 2.9%, 2.4%, 0.3%, and 17.5% respectively).
- Men received slightly higher average awards than women ($765 versus $759), Asians received the highest average award among the race categories ($924 versus $833 for Blacks, $801 for Hispanics, and $849 for Native Americans) and older students tended to receive higher average awards than younger students ($826 for recipients thirty years old and older versus $752 for recipients younger than thirty years old).
- The average scholarship award for the public colleges and universities was under $750, about three quarters (76.5%) of the tuition costs for the 1987-1988 academic year. If the $389 in average fees required for that year are included, the average award was about half (54.6%) of the mandatory total costs.

I. INTRODUCTION

The Commonwealth of Massachusetts has a long standing tradition of support for access to higher education. Over the past several years, state support of student financial aid in Massachusetts has increased dramatically from $19 million to its current level of $84 million. The majority of the appropriation, some 68%, is targeted to the centralized General Scholarship program. The remaining scholarship funds are directed to individualized programs primarily at the campus based level. In accordance with legislation governing the scholarship appropriation and in an effort to maximize educational opportunity, assistance is available to students attending Massachusetts independent and public colleges.

Consistent with the goals of the Long Range Student Financial Aid Report, the Board of Regents has sought to increase data collection and analysis of enrollment trends and student aid programs. The following report is specifically designed to analyze General Scholarship program data as it relates to enrollment patterns in the Massachusetts public higher education system for fiscal year 1988. While this data report is specific in nature, additional reports relating to the implementation of policies contained in the Task Force Report will be undertaken.

II. GENERAL SCHOLARSHIP PROGRAM FINDINGS

Last year, the Task Force on Student Financial Aid recommended and the Board of Regents adopted the principle of reducing the economic barriers to student access and choice to higher education through programs of student financial assistance [1]. The Task Force recommended further that the Board of Regents study the financial assistance program to determine the extent of support for access and choice. This report, the first of its kind, presents findings concerning the General Scholarship Program for fiscal year 1988. These findings are consistent with the Regents' policy for awards under the General Scholarship Program.

During the 1987-1988 academic year, more than 105,000 students applied for state scholarships. Of these students, nearly 43,000 (40.3%) received General Scholarship awards totaling over $57 million and averaging about $1,340 per award [2]. (See Table 1).

It should be noted that the state appropriated $84 million in student financial assistance. Of that amount, $57 million was allocated to the General Scholarship Program. The balance of the funds was used to support a variety of other programs, such as the Medical, Dental and Veterinary Scholarship Program, the Consortium Scholarship Program, the Christian A. Herter Memorial Scholarship Program and the Gilbert Matching Scholarship Grant Program. In addition, the state also provided a comprehensive, need-based, $10 million, public tuition waiver program that supported some 17,600 students. Data on the characteristics of students in the programs other than the General Scholarship Program are not contained in this report.

Nearly half (48.5%) of the scholarship recipients attended Massachusetts public colleges and universities while about a third (34.2%) attended Massachusetts independent colleges and universities. (See Figure 1). Of the remaining recipients, 5.5% attended in-state proprietary, nursing or vocational institutions, 10.4% attended reciprocal out-of-state institutions, and 1.4% attended other institutions.

Massachusetts independent colleges and universities, on the other hand, received more than half (54%) of the General Scholarship monies awarded while the public colleges and universities received over a quarter (27%). The average award for the independent colleges and universities was over $2,100 while for the public colleges and universities it was under $750.

It is important to note that the average scholarship award for the public colleges and universities was about three quarters (76.5%) of the tuition costs for the 1987-1988 academic year. If the $389 in average fees required for that year is included, it is about half (54.6%) of the total mandatory costs [3].

The award amount differences between the independent and public colleges and universities are not surprising. The Scholarship Office uses an indexing system that relates award amounts to education costs. Tuition and fees at the independent colleges and universities are significantly higher than those at the public colleges and universities. For example, average full-time, undergraduate tuition and fees at nine independent Massachusetts universities are more than five times greater than those at the four public universities.

Of the more than 420,000 students enrolled in Massachusetts higher education in 1987, about 8.5% of these students received state scholarship awards. About 11% and 6% of the students enrolled in public and independent colleges and universities respectively received state awards [4]. (See Table 2).

About eighteen percent of the applicants for state scholarships reported incomes of less than $5,000 [5]. For every five of the applicants reporting these incomes, three (60.6%) received awards. (See Figure 2 and Table 3). Of the remaining 39.4% applicants who did not receive awards, less than 1% were sent denial letters. About a fifth of the applicants were eligible for aid but did not enroll, about a sixth did not provide sufficient information to complete the processing, and the other three percent did not meet the certification criteria [6].

The students reporting incomes less than $5,000 composed about a fourth (27.4%) of all the students receiving awards. They made up a third (33.7%) and a fifth (20.2%) of the recipients at Massachusetts public and independent institutions respectively. They also made up more than half of the community college recipients (51.2%), twice the proportion at the independent two-year colleges (24.4%). (See Table 4).

About a third (32.4%) of all the scholarship monies went to these students reporting incomes less than $5,000. Almost three-fifths (57.8%) of the monies awarded to the community colleges went to these students. (See Table 5).

Students reporting incomes less than $5,000 received average awards of nearly $1,600 which was the highest among all income groups. Public college and university students averaged awards slightly under $900. Massachusetts independent college and university students, on the other hand, averaged awards near $3,000. (See Table 6). In contrast, about twenty-five percent of the applicants reported incomes of $40,000 or higher and only nine percent of these received awards. These students received average awards about half (56%) of those that went to students reporting incomes less than $5,000.

General Scholarships and Public Enrollments Compared.

Comparing General Scholarships and enrollments [7], the state colleges awarded a higher percentage of scholarships to enrollments (19.3%) than the universities and community colleges (13.6% and 13.7% respectively). (See Table 7).

More females, minorities, and younger (less than 30 years old) students received scholarship monies than the proportion of these students who were enrolled. (See Figure 3). This was true across all segments except for the community colleges where more older students received awards.

Though the state colleges enrolled less than a fourth (23.3%) of all students, their students received closer to a third (30%) of all awards. Proportionally more of their female, minority, and older students also received awards than were enrolled. Only the older students in the community colleges received proportionally more awards. (See Table 8).

Of those students receiving awards and reporting incomes less than $5,000, more were women (66.2%), Black (11.8%), Hispanic (9.9%), Asian (8.9%), Native American (0.6%) and older than 29 years of age (28.6%) than were represented as proportion of total enrollments. The opposite was true of students reporting incomes greater than $40,000, that is, fewer were women or a minority or older than 29 years of age than were represented as proportion of total enrollments. (See Table 9).

Students reporting incomes less than $5,000 received the highest number and amount of awards across all groups except for those students in the age groups of *under 21* and *60 and older*. This was particularly true for minority students, non-resident aliens and students older than 22 and younger than 60. (See Tables 10 and 12).

In general, the less income the student reported, the higher was the student's average award. (See Figure 4). Men received slightly higher average awards than women, Asians received the highest average award among the race categories and older students tended to receive higher average awards than younger students. (See Table 13).

Characteristics Among Public Institutional Segments.

In each segment of public higher education, women averaged higher awards. Also, the number of female recipients exceeded male recipients at each segment level. The total average award for men, however, exceeded that for women ($765 compared to $759). The majority of male recipients (51%) attended the universities receiving proportionally more award amounts at the university level which averaged higher awards than the other two levels [8]. (See Tables 14 through 18).

Among minorities in public higher education, Asians received the highest average award ($924) and Hispanics received the lowest average award ($801). Asians received higher average awards across all segments.

The majority of the Asian recipients (56%) attended the universities and these students received 62.3% of the awards for their group. The majority of the Hispanic recipients (58.8%), on the other hand, attended the community colleges and these students received 53.6% of the awards. The largest number of Black recipients (41.0%) attended the community colleges while the largest number of Native American recipients (44.6%) attended the universities. With respect to non-resident aliens, 71% attended the universities and these students received more than three fourths (77.6%) of the awards for their group.

Students 30 years old and older received higher average awards ($826) than students younger than 30 years old ($752). More than 70% of the students in the 30 or older age group reported incomes less than $5,000 while less than 30% of the students under 30 years of age reported the same incomes.

III. CONCLUSIONS

The primary goal of the Board of Regents' financial aid program has been to provide greater access for the neediest students by ensuring that those with the most financial need receive the largest scholarship award. The findings essentially support this goal.

Across the state's public and independent sectors and their three segments, the students with the lowest reported incomes received the highest number of awards and the highest average awards. Also, recipients attending the more costly independent colleges and universities received higher average awards than those attending the less costly public colleges and universities. Further, within the public sector, the higher the tuition of the segment, the higher the average award.

The large number of recipients at the community colleges reporting incomes less than $5,000 and their high amount of awards reveals the strong role that the community colleges play in servicing the needier students. In the public sector, the community colleges enroll the majority of Hispanic and the largest number of Black recipients.

Overall, there were proportionally more female, minority, and younger (under 30 years old) recipients than were observed in the enrollment distributions. This suggests that the scholarship awards provide access to these groups.

Two interesting findings deserve more study. First, almost 40% of the students who reported incomes of less than $5,000 did not receive awards, mostly because they either did not provide sufficient information to complete the processing or did not choose to attend an institution. Who these students were and why those students who were eligible for aid did not enroll are questions that need to be examined further. Second, there appears to be a significant number of older recipients (30 to 59 years of age) reporting less than $5,000. It would be worthwhile to study the characteristics of these adults and track the type of programs they enter and their success rates, particularly given the area's growing demand for more skilled workers.

Notes

[1] Taken from *Report of the Task Force on Student Financial Aid*, January, 1988.

[2] The data file used contained 105,591 records. These records came from matching the records accumulated from the Financial Aid Form (FAF) tapes with the Scholarship Office database. There may be a discrepancy between the number of records in the master file and the Scholarship Office database because of matching problems.

[3] Tuition and fee figures taken from the *Required Fees at Massachusetts Public Universities and Colleges* report.

[4] These figures are a little misleading. Not all the students enrolled in the Massachusetts colleges and universities are in-state residents who are eligible for a state scholarship. It is estimated that 93% and 49% of first-time public and independent college and university students respectively are in-state residents. Using these estimates, the total in-state enrollment is smaller and the ratio of recipients to enrollees is closer to 12% which is about the same for both the public and independent institutions.

[5] Income includes student's (and where applicable, spouse's) taxable and untaxable income for an independent student and parent's taxable and untaxable income for a dependent student.

[6] These students reached the limit of semesters that could be paid or transferred to ineligible institutions or were disqualified because they had provided erroneous information.

[7] Comparing the General Scholarship Program file with the Research and Planning, Enrollment and Degrees System (RPEDS) enrollment database yielded more than 18,500 students (17.5% of all applicants) who received state scholarships and attended programs supported by state appropriations. In the fall of 1987, RPEDS did not include Division of Continuing Education students. There is no student record system for the Massachusetts independent colleges and universities.

[8] Public universities have higher tuition and fees than the state colleges and community colleges.

Figure 1

Percent Comparison of Recipients and Amount Awarded by Sector

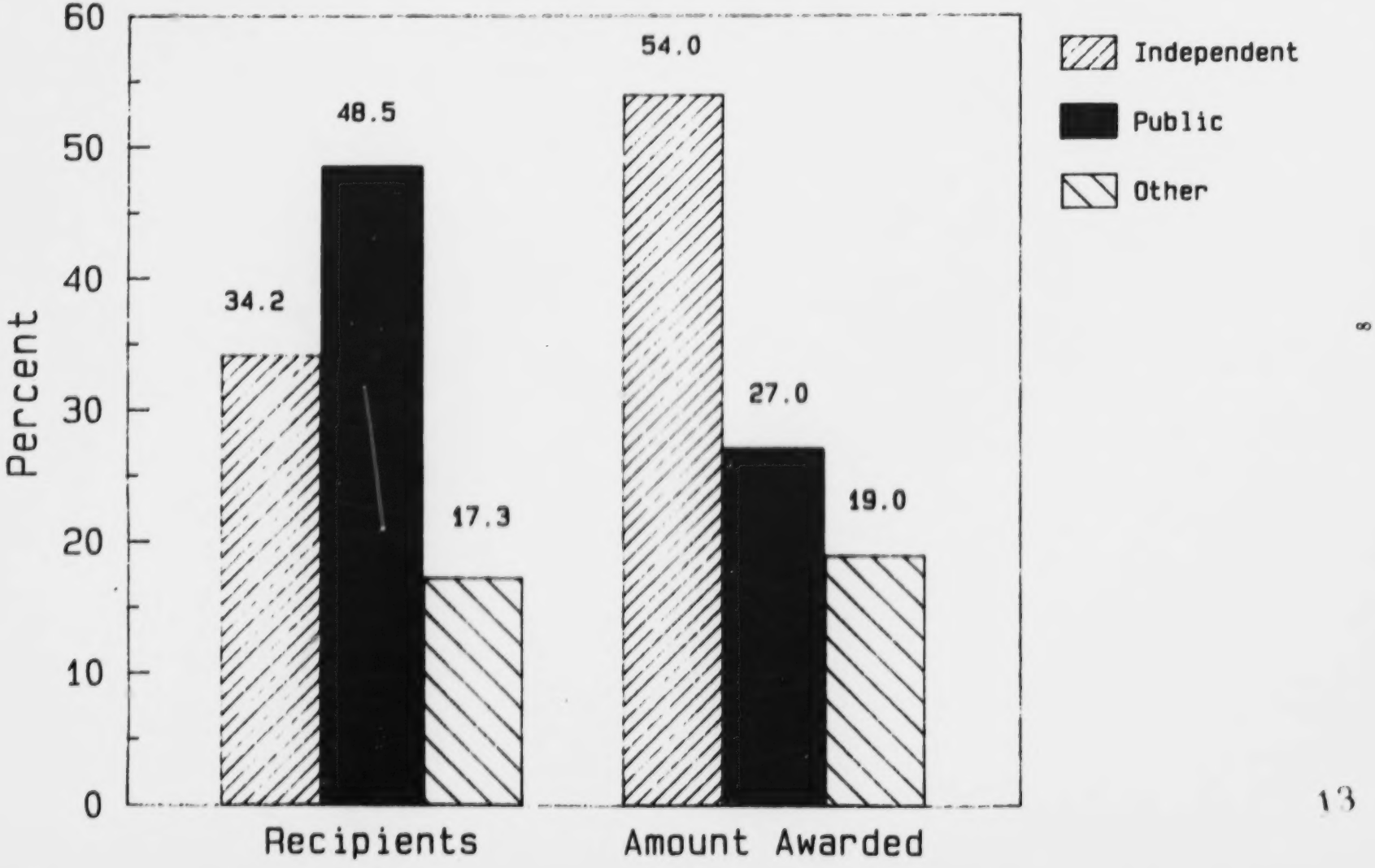

Figure 2

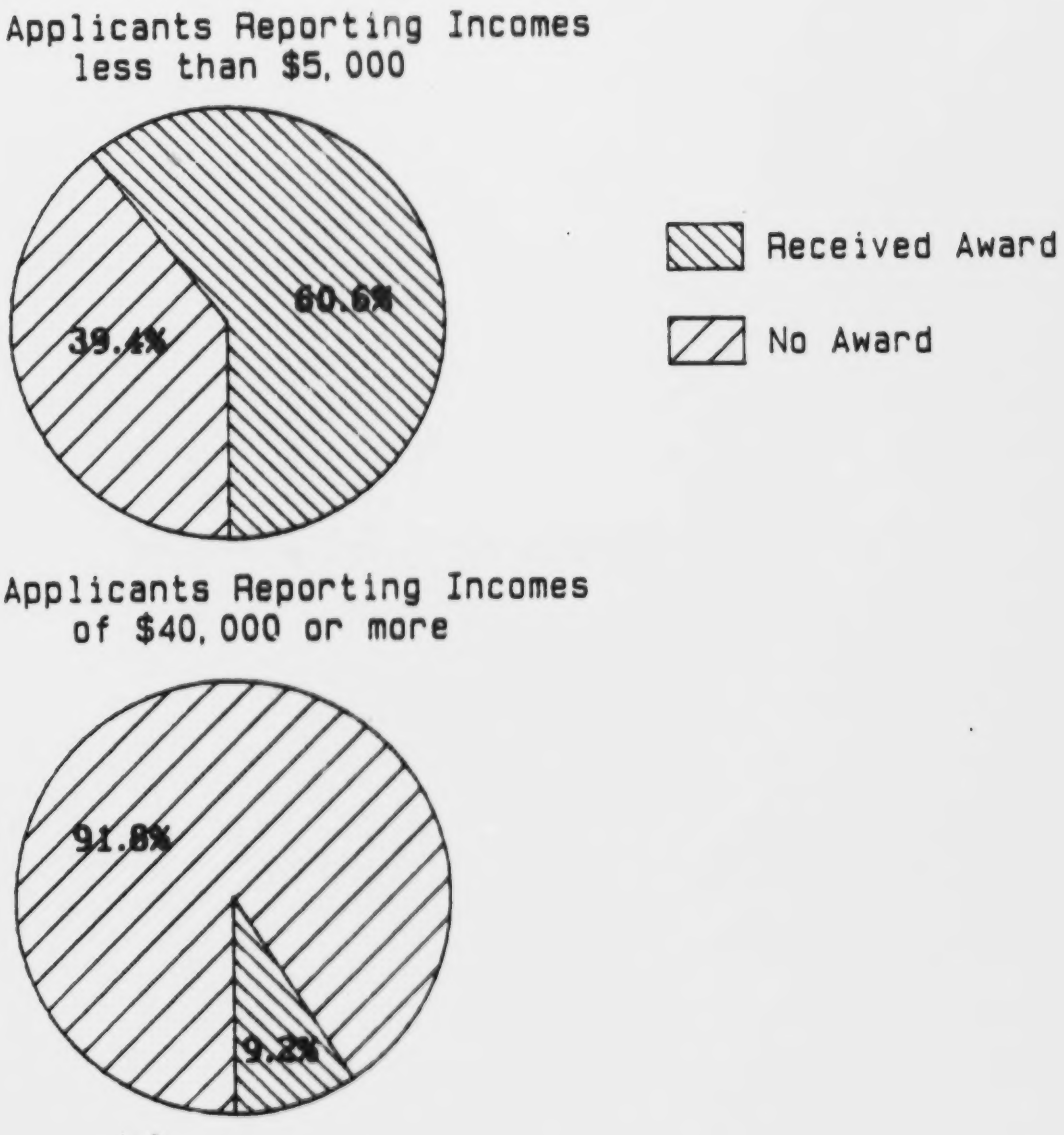
Applicants Reporting Incomes
less than $5,000
60.6%
39.4%
Received Award
No Award
Applicants Reporting Incomes
of $40,000 or more
91.8%
8.2%

Figure 3

Comparison of Recipients to Enrollments:

Females, Minorities & Less Than Thirty Years of Age

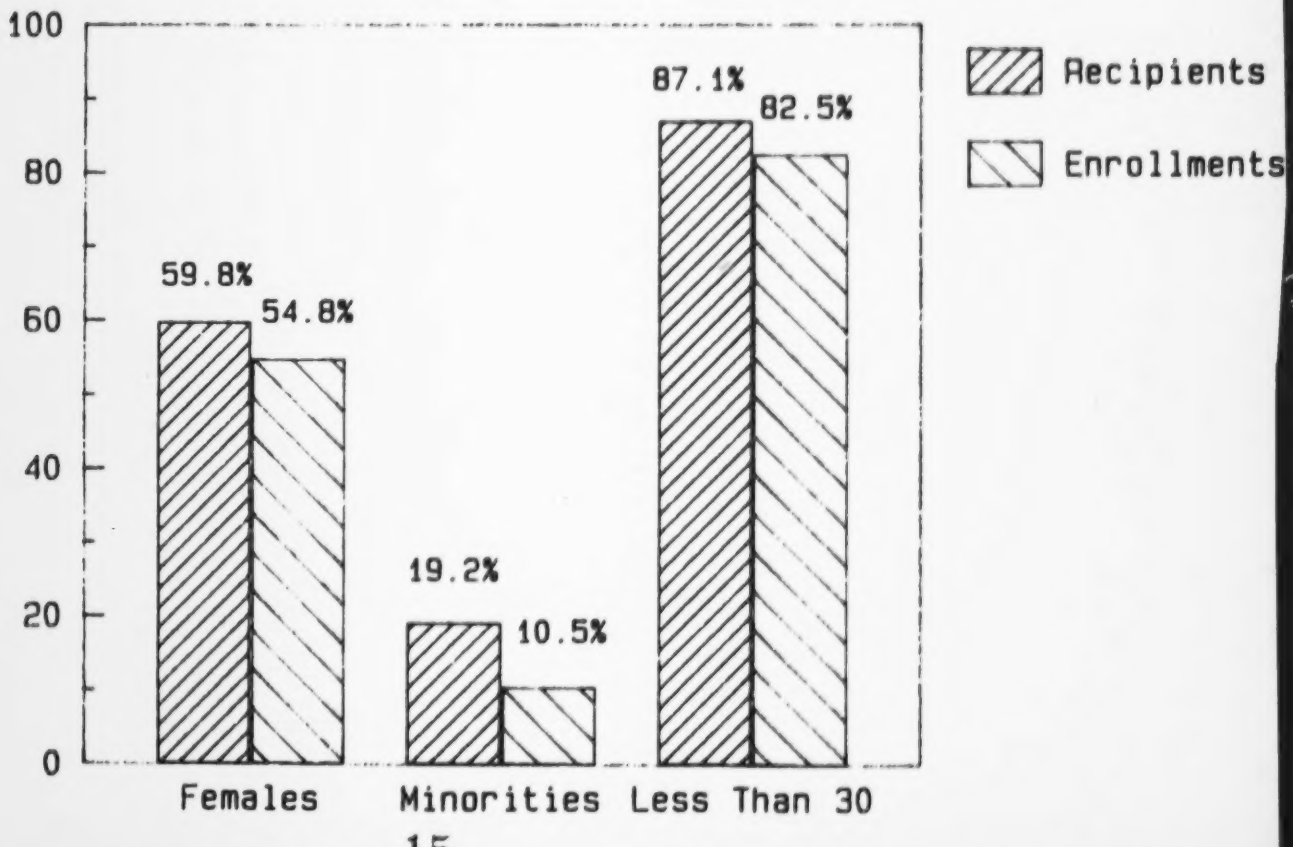

Figure 4

Average Award by Income Category (in thousands)

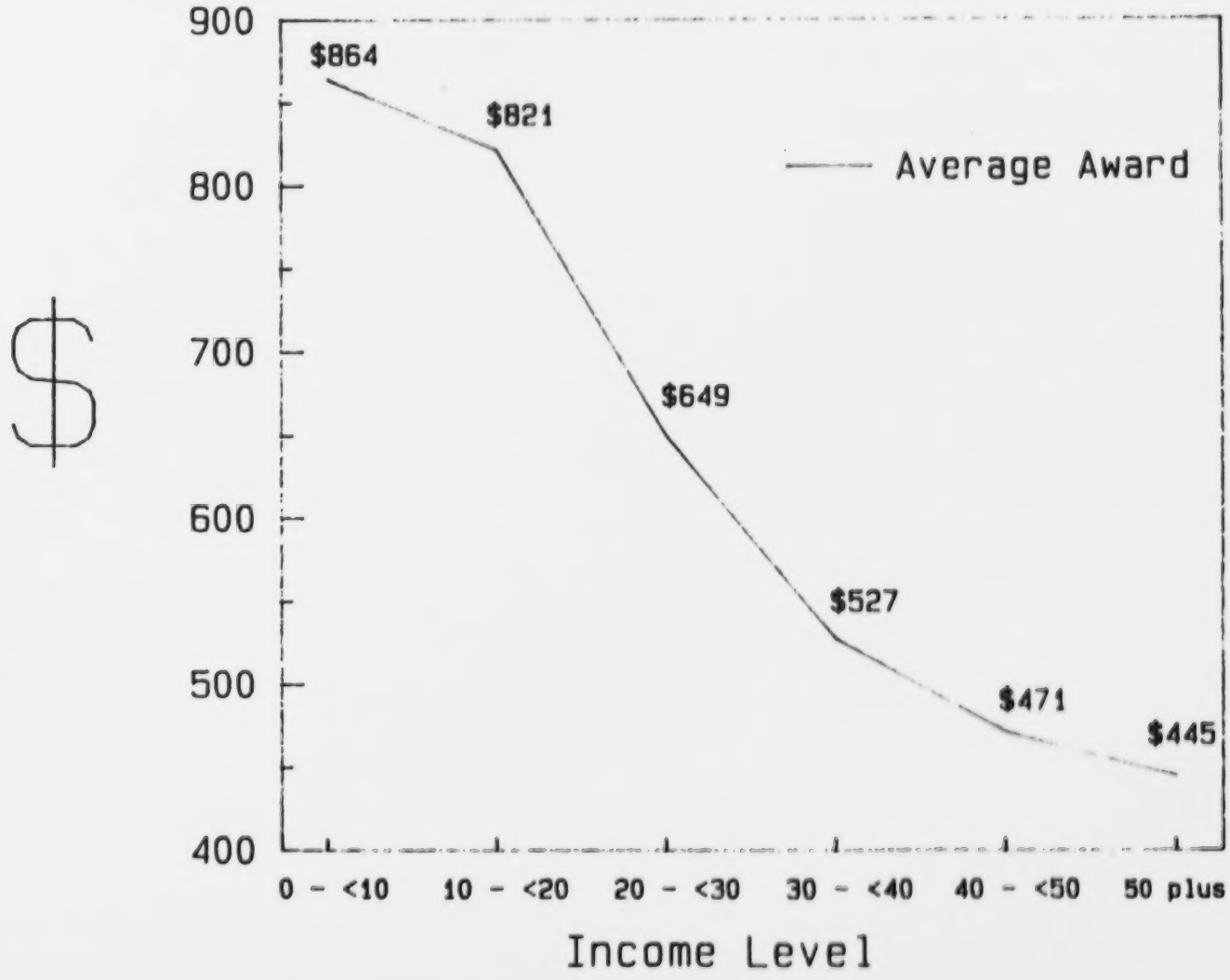

Table 1: Number of 1987 Recipients and Amount of Award
by In-State/Out-of-State, Sector and Segment
(Percents are of column totals)

	Recipients		Amount of Award		Avg
	Headcount	%	($1,000)	%	($)
In-State					
Public					
Universities	8,231	19.3%	$7,046	12.3%	$856
State Colleges	5,820	13.7%	$3,995	7.0%	$686
Community Colleges	6,619	15.5%	$4,409	7.7%	$666
Subtotal	20,670	48.5%	$15,450	27.0%	$747
Private					
Universities	6,049	14.2%	$13,770	24.1%	$2,275
4-year Colleges	6,372	15.0%	$12,800	22.4%	$2,008
2-year Colleges	2,153	5.1%	$4,326	7.6%	$2,009
Subtotal	14,574	34.2%	$30,896	54.0%	$2,119
Other					
Proprietary	1,540	3.6%	$2,681	4.7%	$1,741
Nursing	313	0.7%	$400	0.7%	$1,279
Vocational	473	1.1%	$497	0.9%	$1,051
Subtotal	2,326	5.5%	$3,578	6.3%	$1,538
Subtotal: In-State	37,570	88.2%	$49,924	87.2%	$1,328
Out-of-State					
Public	1,241	2.9%	$1,302	2.3%	$1,047
Private	3,190	7.5%	$5,589	9.8%	$1,751
Subtotal	4,431	10.4%	$6,891	12.0%	$1,554
Foreign Medical Schools	5	0.0%	$27	0.0%	$5,428
Unknown*	570	1.3%	$381	0.7%	$669
Total	42,576	100.0%	$57,223	100.0%	$1,343

* College code overriden by "unknown" code for students transferring after first semester.
Scholarship Office has further details on archived tapes.

Notes: Figures derived from scholarship master file Fin5dat which has 105,591 records.
Selection criteria were Amount of Award greater than 0 and Award Status equals award paid.
University includes associated Medical Schools; Quincy Junior College and Essex Agricultural Technical Institute classified as vocational.

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Table 2: 1987 Recipients Compared to Enrollments
by Sector and Segment

	Recipients		Enrollments		Rec/Enr	Rec/Tot
	Headcount	Col %	Headcount	Col %	(%)	(%)
Public						
Universities	8,231	23.4%	65,283	15.5%	12.6%	2.0%
State Colleges	5,820	16.5%	48,014	11.4%	12.1%	1.4%
Community Colleges	6,619	18.8%	70,472	16.8%	9.4%	1.6%
Subtotal	20,670	58.6%	183,769	43.7%	11.2%	4.9%
Private						
Universities	6,049	17.2%	129,257	30.8%	4.7%	1.4%
4-year Colleges	6,372	18.1%	88,143	21.0%	7.2%	1.5%
2-year Colleges	2,153	6.1%	18,965	4.5%	11.4%	0.5%
Subtotal	14,574	41.4%	236,365	56.3%	6.2%	3.5%
Total	35,244	100.0%	420,134	100.0%	8.4%	8.4%

Notes: Recipient figures derived from scholarship master file Fin5dat.
Enrollment figures taken from 1987 Massachusetts IPEDS summary report.
Quincy Junior College and Essex Agricultural Technical Institute not included in public sector.
The Rec/Enr column compares recipients with enrollments for each segment and sector,.e.g. 8,231 / 65,283.
The Rec/Tot column compares recipients with total enrollments, e.g. 8,231 / 420,134.

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Table 3: 1987 Recipients Compared to Scholarship Applicants by Income Category

	Recipients		Applicants		Rec/App	Rec/Tot
Income	Headcount	Col %	Headcount	Col %	%	%
$0 - $4,999	11,646	27.4%	19,207	18.3%	60.6%	11.1%
$5,000 - $9,999	6,205	14.6%	10,689	10.2%	58.1%	5.9%
$10,000 - $19,999	8,510	20.0%	17,764	16.9%	47.9%	8.1%
$20,000 - $29,999	8,608	20.3%	16,523	15.7%	52.1%	8.2%
$30,000 - $39,999	5,133	12.1%	15,186	14.4%	33.8%	4.9%
$40,000 - $49,999	1,954	4.6%	12,318	11.7%	15.9%	1.9%
$50,000 or more	418	1.0%	13,478	12.8%	3.1%	0.4%
Total	42,474	100.0%	105,165	100.0%	40.4%	40.4%

Notes: Figures derived from scholarship master file Fin5dat.
Recipients total does not include 102 missing income cases.
Applicants total does not include 426 missing income cases.
The Rec/App column compares recipients with applicants for each income categroy, e.g. 11,646 / 19,207.
The Rec/Tot column compares recipients with total applicants, e.g. 11,646 / 105,165.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.

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Table 4: Distribution of 1987 Scholarship Recipients by Income
by In-State/Out-of-State, Sector and Segment
(Percents are of row totals)

Institutions	Total Headcount	Income $0 $4,999	$5,000 $9,999	$10,000 $19,000	$20,000 $29,000	$30,000 $39,000	$40,000 $49,000	$50,000 Plus
In-state								
Public								
Universities	8,213	29.4%	15.5%	18.8%	19.9%	11.2%	4.4%	0.8%
State Colleges	5,806	19.8%	14.3%	20.5%	23.4%	15.1%	5.6%	1.3%
Community Colleges	6,614	51.2%	17.1%	15.7%	10.3%	4.5%	1.0%	0.2%
Subtotal	20,633	33.7%	15.7%	18.3%	17.8%	10.2%	3.7%	0.7%
Private								
Universities	6,034	21.2%	14.3%	22.7%	22.7%	13.1%	4.9%	1.2%
4-year Colleges	6,354	17.8%	13.7%	21.3%	24.1%	14.9%	6.9%	1.4%
2-year Colleges	2,147	24.4%	15.3%	25.5%	20.9%	10.6%	2.8%	0.6%
Subtotal	14,535	20.2%	14.2%	22.5%	23.0%	13.5%	5.5%	1.2%
Other								
Proprietary	1,540	45.9%	19.2%	17.4%	11.2%	4.9%	1.3%	0.1%
Nursing	313	26.2%	19.2%	21.7%	15.0%	12.8%	5.1%	0.0%
Vocational	472	46.6%	18.2%	16.1%	11.9%	5.7%	1.1%	0.4%
Subtotal	2,325	43.4%	19.0%	17.7%	11.8%	6.2%	1.8%	0.2%
Subtotal:In-State	37,493	29.1%	15.3%	19.9%	19.5%	11.2%	4.2%	0.9%
Out-of-State								
Public	1,234	10.7%	7.5%	22.2%	30.1%	19.9%	7.5%	2.2%
Private	3,173	12.7%	8.9%	21.3%	27.1%	20.0%	8.0%	2.0%
Subtotal	4,407	12.2%	8.5%	21.5%	27.9%	20.0%	7.9%	2.0%
Foreign Medical Schools	5	60.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown*	569	37.4%	17.6%	19.0%	14.4%	9.0%	2.5%	0.2%
Total	42,474	27.4%	14.6%	20.0%	20.3%	12.1%	4.6%	1.0%

* College code overriden by "unknown" code for students transferring after first semsester. Scholarship Office has further details on archived tapes.

Notes: Figures derived from scholarship master file Fin5dat
Total does not include 102 missing income cases which equals .2%.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.
Each percent is the ratio of each income headcount with its row total headcount.

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Table 5: Distribution of 1987 Scholarship Awards by Income
by In-State/Out-of-State, Sector and Segment
(Percents are of row totals)

Institutions	Total Award	Income $0 $4,999	$5,000 $9,999	$10,000 $19,000	$20,000 $29,000	$30,000 $39,000	$40,000 $49,000	$50,000 Plus
In-state								
Public								
Universities	$7,028,830	37.9%	14.6%	20.2%	16.6%	7.7%	2.5%	0.4%
State Colleges	$3,981,805	25.8%	14.7%	23.2%	20.8%	10.9%	3.7%	0.8%
Community Colleges	$4,406,329	57.8%	15.5%	15.4%	7.9%	2.6%	0.6%	0.1%
Subtotal	$15,416,964	40.4%	14.9%	19.6%	15.2%	7.1%	2.3%	0.4%
Private								
Universities	$13,726,505	31.1%	14.9%	24.3%	18.3%	8.2%	2.6%	0.6%
4-year Colleges	$12,757,255	24.3%	14.6%	24.7%	20.8%	10.4%	4.5%	0.8%
2-year Colleges	$4,313,440	30.7%	16.0%	28.1%	16.9%	6.5%	1.5%	0.3%
Subtotal	$30,797,200	28.2%	14.9%	25.0%	19.1%	8.9%	3.2%	0.6%
Other								
Proprietary	$2,680,573	52.3%	17.3%	17.9%	8.6%	3.0%	0.8%	0.1%
Nursing	$400,260	33.7%	16.3%	22.9%	13.4%	9.7%	4.1%	0.0%
Vocational	$495,955	53.5%	16.4%	16.1%	10.2%	3.2%	0.5%	0.1%
Subtotal	$3,576,788	50.4%	17.1%	18.2%	9.4%	3.8%	1.1%	0.1%
Subtotal:In-State	$49,790,952	33.6%	15.1%	22.8%	17.2%	7.9%	2.8%	0.5%
Out-of-State								
Public	$1,292,040	18.8%	10.3%	24.0%	25.8%	14.3%	5.3%	1.5%
Private	$5,555,480	24.2%	10.1%	22.6%	22.7%	13.8%	5.4%	1.1%
Subtotal	$6,847,520	23.2%	10.2%	22.8%	23.3%	13.9%	5.4%	1.2%
Foreign Medical Schools	$27,140	64.1%	35.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown*	$380,540	43.5%	15.7%	19.5%	11.3%	7.0%	1.7%	1.5%
Total	$57,046,152	32.4%	14.5%	22.8%	17.9%	8.7%	3.1%	0.6%

* College code overriden by "unknown" code for students transferring after first semester.
Scholarship Office has further details on archived tapes.

Notes: Figures derived from scholarship master file Fin5dat
Total does not include $177,625 missing income cases which equals .3%.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.
Each percent is the ratio of each income award with its row total award.

Table 6: Distribution of 1987 Average Awards by Income
by In-State/Out-of-State, Sector and Segment

Institutions	Total Average	Income $0 $4,999	$5,000 $9,999	$10,000 $19,000	$20,000 $29,000	$30,000 $39,000	$40,000 $49,000	$50,000 Plus
In-state								
Public								
Universities	$856	$1,102	$807	$922	$714	$587	$492	$477
State Colleges	$686	$895	$708	$775	$611	$494	$456	$425
Community Colleges	$666	$752	$606	$655	$516	$385	$364	$397
Subtotal	$747	$897	$712	$802	$640	$519	$465	$444
Private								
Universities	$2,275	$3,329	$2,376	$2,431	$1,839	$1,429	$1,214	$1,202
4-year Colleges	$2,008	$2,749	$2,143	$2,325	$1,730	$1,398	$1,303	$1,198
2-year Colleges	$2,009	$2,533	$2,101	$2,218	$1,624	$1,244	$1,052	$906
Subtotal	$2,119	$2,964	$2,234	$2,352	$1,760	$1,393	$1,251	$1,177
Other								
Proprietary	$1,741	$1,983	$1,574	$1,787	$1,345	$1,059	$1,006	$1,630
Nursing	$1,279	$1,644	$1,085	$1,345	$1,138	$971	$1,034	$0
Vocational	$1,051	$1,206	$943	$1,050	$906	$596	$499	$150
Subtotal	$1,538	$1,786	$1,384	$1,578	$1,220	$947	$955	$890
Subtotal:In-State	$1,328	$1,536	$1,310	$1,525	$1,176	$942	$869	$831
Out-of-State								
Public	$1,047	$1,836	$1,441	$1,134	$897	$756	$740	$729
Private	$1,751	$3,326	$2,003	$1,857	$1,468	$1,209	$1,185	$1,011
Subtotal	$1,554	$2,959	$1,864	$1,649	$1,295	$1,083	$1,067	$926
Foreign Medical Schools	$5,428	$5,800	$4,870	$0	$0	$0	$0	$0
Unknown*	$669	$776	$596	$686	$522	$520	$453	$5,800**
Total	$1,343	$1,588	$1,333	$1,528	$1,187	$962	$901	$863

* College code overriden by "unknown" code for students tranferring after first semester.
Scholarship Office has further details on archived tapes.
** One student received a $5,800 award.
Notes: Figures derived from scholarship master file Fin5dat
Income includes student's (and where applicable, spouse's taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.
Each average award amount is derived by dividing award amount by headcount.

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Table 7: 1987 Public Sector Recipients Compared to Enrollments

Segment	Total Headcount	Female Row %	Minority Row %	30+ Row %	Rec/Enr %
Universities					
Enrollments	58,135	49.2%	9.8%	18.4%	
Recipients	7,914	52.0%	18.2%	7.7%	13.6%
State Colleges					
Enrollments	28,871	58.8%	4.6%	7.8%	
Recipients	5,570	60.3%	9.5%	6.5%	19.3%
Community Colleges					
Enrollments	37,019	60.4%	16.5%	23.9%	
Recipients	5,090	71.6%	31.2%	27.9%	13.7%
Total					
Enrollments	124,025	54.8%	10.5%	17.5%	
Recipients	18,574	59.8%	19.2%	12.8%	15.0%

Notes: Enrollment figures are derived from the 1987 RPEDS master file Mfall87.
Mfall87 has 128,781 records. Bristol and Cape Code were excluded.
They did not supply social security numbers to do the matching.
Mfall87 was matched with Fin5dat producing 37,195 matches.
Of the matches, 18,831 students were identified as recipients.
Recipient is defined as a student who has been paid an award.
Of these, 297 students were excluded: 101 had no CEEB codes,
133 had a private college or university CEEB code, and
63 had another public college or university CEEB code.
The Rec/Enr column presents the ratio of recipients to enrollments.
These ratios are higher than in Table 2 which included
Division of Continuing Education students.
Percents are prorated. Gender and age unkown is less than 2%.
Race unknown is about 12%.

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Table 8: 1987 Public Sector Recipients Compared to Enrollments
(Percents are of column totals)

Segment	Total %	Female %	Minority %	30+ %
Universities				
Enrollments	46.9%	42.1%	41.7%	48.9%
Recipients	42.6%	37.1%	39.9%	25.8%
State Colleges				
Enrollments	23.3%	25.0%	10.5%	10.5%
Recipients	30.0%	30.2%	15.2%	15.1%
Community Colleges				
Enrollments	29.8%	32.9%	47.8%	40.6%
Recipients	27.4%	32.7%	44.9%	59.1%
Total				
Enrollments	124,025	67,804	11,434	100,450
Recipients	18,574	11,087	3,248	16,056

Notes: Enrollment figures are derived from the 1987 RPEDS master file Mfall87.
Mfall87 has 128,781 records. Bristol and Cape Cod were excluded.
They did not supply social security numbers to do the matching.
Mfall87 was matched with Fin5dat producing 37,195 matches.
Of the matches, 18,831 students were identified as recipients.
Recipient is defined as a student who has been paid an award.
Of these, 297 students were excluded: 101 had no CEEB codes,
133 had a private college or university CEEB code, and
63 had another public college or university CEEB code.
Division of Continuing Education students.

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Table 9: 1987 Public Sector Recipients by Income, Gender, Race and Age
(Percents are of row totals)

Income	Total Headcount	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+	mean age
$0 - $4,999	5,957	33.8%	66.2%	67.6%	11.8%	9.9%	8.9%	0.6%	1.3%	5.7%	5.7%	7.1%	14.6%	38.3%	21.9%	6.5%	0.2%	26.8
$5,000 - $9,999	2,866	42.3%	57.7%	79.5%	8.8%	6.2%	4.2%	0.4%	0.9%	9.2%	9.2%	11.5%	19.8%	33.5%	12.0%	3.9%	0.8%	24.8
$10,000 - $19,999	3,399	41.5%	58.5%	80.6%	10.2%	3.9%	4.0%	0.4%	1.0%	25.6%	21.4%	18.7%	23.6%	5.0%	3.9%	1.8%	0.0%	20.7
$20,000 - $29,999	3,456	43.7%	56.3%	88.8%	6.1%	2.0%	2.6%	0.2%	0.4%	29.5%	22.6%	21.7%	22.8%	2.9%	0.4%	0.2%	0.0%	19.6
$30,000 - $39,999	1,985	44.4%	55.6%	93.3%	2.7%	2.0%	1.5%	0.2%	0.3%	30.0%	24.0%	19.8%	23.7%	2.3%	0.1%	0.0%	0.0%	19.5
$40,000 - $49,999	730	47.5%	52.5%	97.5%	1.0%	0.4%	0.7%	0.1%	0.1%	26.8%	23.6%	22.5%	25.1%	1.9%	0.0%	0.0%	0.0%	19.5
$50,000 or more	147	48.3%	51.7%	99.3%	0.7%	0.0%	0.0%	0.0%	0.0%	29.3%	20.4%	21.1%	25.2%	4.1%	0.0%	0.0%	0.0%	19.6
Total Recipients	18,540	40.2%	59.8%	80.0%	8.5%	5.4%	4.9%	0.4%	0.8%	18.0%	15.1%	14.7%	20.1%	19.2%	9.6%	3.1%	0.2%	22.9
Total Enrollments	124,025	45.2%	54.8%	86.3%	4.9%	2.9%	2.4%	0.3%	3.2%	16.7%	14.2%	13.3%	18.8%	19.5%	11.3%	5.2%	1.0%	24.1

Table 10: 1987 Public Sector Recipients by Income, Gender, Race and Age
(Percents are of column totals)

Income	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+	mean age
$0 - $4,999	32.1%	27.1%	35.5%	27.1%	44.6%	58.2%	58.3%	49.2%	50.0%	10.2%	12.1%	15.4%	23.2%	63.6%	72.5%	68.3%	29.4%	26.8
$5,000 - $9,999	15.5%	16.3%	14.9%	15.1%	15.9%	17.4%	33.1%	16.9%	15.3%	7.9%	9.6%	12.0%	15.3%	26.9%	19.2%	20.0%	70.6%	24.8
$10,000 - $19,999	18.3%	18.9%	17.9%	18.5%	22.2%	13.3%	15.0%	18.5%	20.8%	26.1%	26.0%	23.2%	21.6%	4.8%	7.4%	10.7%	0.0%	20.7
$20,000 - $29,999	18.6%	20.2%	17.6%	20.8%	13.4%	6.8%	9.8%	7.7%	9.0%	30.6%	28.0%	27.6%	21.2%	2.8%	0.7%	1.1%	0.0%	19.6
$30,000 - $39,999	10.7%	11.9%	10.0%	12.6%	3.4%	4.0%	3.3%	6.2%	4.2%	18.0%	17.1%	14.5%	12.7%	1.3%	0.1%	0.0%	0.0%	19.5
$40,000 - $49,999	3.9%	4.7%	3.5%	4.8%	0.5%	0.3%	0.6%	1.5%	0.7%	5.9%	6.2%	6.1%	5.0%	0.4%	0.0%	0.0%	0.0%	19.5
$50,000 or more	0.8%	1.0%	0.7%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	1.3%	1.1%	1.1%	1.0%	0.2%	0.0%	0.0%	0.0%	19.6
Total	18,540	7,433	11,065	13,553	1,435	920	827	65	144	3,309	2,776	2,707	3,691	3,539	1,773	561	34	22.9

Notes: The figures are derived from Sc02dat which has 37,195 records.
There are 34 missing income cases. Percents of row totals are prorated.
Gender and age unknowns are less than 2%. Race unknown is about 12%.
Bristol and Cape Cod are excluded. They did not supply social security numbers.
18,831 students were identified as recipients. 297 students were excluded.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.

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Table 11: 1987 Public Sector Awards by Income, Gender, Race and Age
(Percents are of row totals)

Income	Total ($1,000)	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
$0 - $4,999	$5,537	36.1%	63.9%	68.1%	11.6%	8.7%	9.5%	0.6%	1.5%	5.4%	5.8%	7.3%	15.1%	39.4%	20.8%	6.0%	0.1%
$5,000 - $9,9999	$2,090	42.5%	57.5%	78.4%	9.1%	6.7%	4.4%	0.4%	1.0%	11.0%	11.2%	13.0%	20.7%	28.0%	11.5%	3.9%	0.7%
$10,000 - $19,999	$2,789	41.8%	58.2%	79.2%	10.8%	4.0%	4.6%	0.4%	1.1%	24.5%	22.0%	19.4%	24.6%	4.6%	3.3%	1.6%	0.0%
$20,000 - $29,999	$2,244	43.9%	56.1%	87.2%	6.6%	2.2%	3.3%	0.2%	0.5%	27.2%	23.1%	22.4%	23.6%	3.0%	0.4%	0.2%	0.0%
$30,000 - $39,999	$1,046	44.4%	55.6%	92.6%	2.7%	2.3%	1.8%	0.2%	0.5%	26.0%	25.3%	21.0%	25.1%	2.5%	0.1%	0.0%	0.0%
$40,000 - $49,999	$344	46.0%	54.0%	97.5%	1.0%	0.4%	0.6%	0.2%	0.2%	22.2%	25.2%	23.1%	27.5%	2.0%	0.0%	0.0%	0.0%
$50,000 or more	$65	51.5%	48.5%	99.1%	0.9%	0.0%	0.0%	0.0%	0.0%	26.7%	23.4%	22.7%	22.4%	4.8%	0.0%	0.0%	0.0%
Total	$14,115	40.4%	59.6%	77.6%	9.3%	5.7%	5.9%	0.4%	1.1%	15.5%	14.6%	14.4%	20.2%	21.2%	10.5%	3.3%	0.2%

Table 12: 1987 Public Sector Awards by Income, Gender, Race and Age
(Percents are of column totals)

Income	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
$0 - $4,999	39.2%	35.1%	42.0%	34.4%	48.8%	59.8%	62.6%	56.4%	53.8%	13.6%	15.6%	19.7%	29.2%	72.7%	77.0%	71.9%	32.8%
$5,000 - $9,9999	14.8%	15.6%	14.3%	14.7%	14.3%	17.1%	10.7%	13.7%	13.7%	10.5%	11.3%	13.3%	15.1%	19.6%	16.2%	17.6%	67.2%
$10,000 - $19,999	19.8%	20.4%	19.3%	20.3%	23.1%	13.8%	15.3%	18.0%	21.2%	31.2%	29.8%	26.6%	24.0%	4.2%	6.2%	9.7%	0.0%
$20,000 - $29,999	15.9%	17.3%	14.9%	18.0%	11.4%	6.2%	8.8%	7.2%	7.5%	28.0%	25.3%	24.8%	18.6%	2.3%	0.6%	0.8%	0.0%
$30,000 - $39,999	7.4%	8.2%	6.9%	8.9%	2.2%	3.0%	2.2%	3.6%	3.4%	12.5%	12.9%	10.8%	9.2%	0.9%	0.1%	0.0%	0.0%
$40,000 - $49,999	2.4%	2.8%	2.2%	3.1%	0.3%	0.2%	0.3%	1.1%	0.5%	3.5%	4.2%	3.9%	3.3%	0.2%	0.0%	0.0%	0.0%
$50,000 or more	0.5%	0.6%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.7%	0.5%	0.1%	0.0%	0.0%	0.0%
Total ($1,000)	$14,115	$5,685	$8,396	$9,984	$1,196	$737	$764	$55	$137	$2,177	$2,043	$2,022	$2,834	$2,969	$1,477	$458	$22

Notes: The figures are derived from Sc02dat which has 37,195 records.
There are 34 missing income cases. Percents of row totals are prorated.
Gender and age unknowns are less than 2%. Race unknown is about 12%.
Bristol and Cape Cod are excluded. They did not supply social security numbers.
18,831 students were identified as recipients. 297 students were excluded.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.

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Table 13: 1987 Public Sector Average Awards by Income, Gender, Race and Age

Income	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
$0 - $4,999	$929	$993	$897	$936	$912	$823	$993	$973	$1,026	$875	$946	$957	$964	$958	$884	$859	$705
$5,000 - $9,9999	$729	$733	$727	$717	$748	$788	$760	$687	$857	$878	$885	$827	$761	$610	$701	$719	$603
$10,000 - $19,999	$821	$826	$817	$808	$868	$832	$943	$826	$969	$786	$845	$856	$855	$742	$701	$742	
$20,000 - $29,999	$649	$653	$646	$637	$710	$727	$833	$792	$792	$600	$665	$671	$672	$683	$673	$608	
$30,000 - $39,999	$527	$527	$527	$519	$528	$591	$628	$500	$773	$456	$555	$558	$558	$578	$435		
$40,000 - $49,999	$471	$456	$484	$470	$436	$457	$404	$610	$670	$390	$503	$483	$515	$498			
$50,000 or more	$445	$475	$417	$435	$520					$406	$509	$479	$396	$522			
Total	$761	$765	$759	$737	$833	$801	$924	$849	$954	$658	$736	$747	$768	$839	$833	$816	$633

Table 14: 1987 Public Sector Average Awards by Segment, Gender, Race and Age

Segment	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
Universities	$862	$859	$864	$830	$973	$947	$1,029	$1,006	$1,035	$736	$829	$836	$847	$956	$1,011	$1,021	$1,200
State Colleges	$690	$685	$693	$675	$816	$808	$876	$715	$812	$612	$680	$689	$693	$754	$822	$836	
Community Colleges	$683	$639	$700	$661	$713	$730	$777	$733	$733	$608	$633	$641	$672	$717	$752	$735	$615
Total	$761	$765	$759	$737	$833	$801	$924	$849	$954	$658	$736	$747	$768	$839	$833	$816	$633

Notes: The figures are derived from Sc02dat which has 37,195 records.
There are 34 missing income cases. Percents of row totals are prorated.
Gender and age unknowns are less than 2%. Race unknown is about 12%.
Bristol and Cape Cod are excluded. They did not supply social security numbers.
18,831 students were identified as recipients. 297 students were excluded.
Income includes student's (and where applicable, spouse's) taxable and untaxable income for independent student and parent's taxable and untaxable income for dependent student.

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Table 15: 1987 Public Sector Recipients by Segment, Gender, Race and Age
(Percents are of Row Totals)

Segment	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+	Mean Ave
Uinversities	7,914	48.0%	52.0%	80.3%	7.7%	3.6%	6.5%	0.4%	1.5%	15.9%	15.7%	15.5%	23.6%	21.5%	6.1%	1.6%	0.0%	22.1
State Colleges	5,570	39.7%	60.3%	90.3%	5.8%	2.3%	1.0%	0.4%	0.2%	20.8%	17.4%	18.6%	23.9%	12.9%	4.8%	1.7%	0.0%	21.4
Community Colleges	5,090	28.4%	71.6%	68.2%	12.6%	11.6%	6.7%	0.3%	0.7%	18.3%	11.7%	9.4%	10.3%	22.5%	20.4%	6.8%	0.7%	25.8
Total	18,574	40.2%	59.8%	80.0%	8.5%	5.4%	4.9%	0.4%	0.9%	18.0%	15.1%	14.8%	20.1%	19.2%	9.6%	3.0%	0.2%	22.9

Table 16: 1987 Public Sector Recipients by Segment, Gender, Race and Age
(Percents are of column totals)

Segment	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+	Mean Ave
Universities	42.6%	51.0%	37.1%	41.9%	38.1%	27.9%	56.0%	44.6%	71.0%	37.7%	44.4%	45.0%	50.3%	47.9%	27.3%	22.5%	2.9%	22.1
State Colleges	30.0%	29.7%	30.2%	34.5%	20.9%	13.3%	6.2%	33.8%	7.6%	34.6%	34.5%	37.7%	35.7%	20.1%	14.9%	16.6%	0.0%	21.4
Community Colleges	27.4%	19.3%	32.7%	23.5%	41.0%	58.8%	37.8%	21.5%	21.4%	27.7%	21.1%	17.3%	14.0%	32.0%	57.8%	61.0%	97.1%	25.8
Total	18,574	7,445	11,087	13,581	1,436	920	827	65	145	3,316	2,786	2,719	3,696	3,539	1,773	561	34	22.9

Notes: The figures are derived from Sc02dat which has 37,195 records.
Percents of row totals are prorated. Gender and age unknowns are less than 2%.
Race unknown is about 12%.
Bristol and Cape Cod are excluded. They did not supply social security numbers.
18,831 students were identified as recipients. 297 students were excluded.

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Table 17: 1987 Public Sector Recipients by Segment, Gender, Race and Age
(Percents of Row Totals)

Segment	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
Universities	$6,804	47.9%	52.1%	77.3%	8.7%	4.0%	7.8%	0.5%	1.7%	13.6%	15.1%	15.1%	23.2%	23.9%	7.2%	1.9%	0.0%
State Colleges	$3,837	39.5%	60.5%	88.5%	6.9%	2.8%	1.3%	0.4%	0.2%	18.4%	17.2%	18.4%	24.1%	14.1%	5.7%	2.0%	0.0%
Community Colleges	$3,474	26.6%	73.4%	65.9%	13.1%	12.3%	7.6%	0.3%	0.7%	16.3%	10.8%	8.8%	10.1%	23.7%	22.5%	7.3%	0.6%
Total	$14,115	40.4%	59.6%	77.6%	9.3%	5.7%	5.9%	0.4%	1.1%	15.5%	14.6%	14.4%	20.2%	21.2%	10.5%	3.3%	0.2%

Table 18: 1987 Public Sector Recipients by Segment, Gender, Race and Age
(Percents of Column Totals)

Segment	Total	Men	Women	White	Black	Hisp	Asian	Nat. Amer.	N.R. Alien	<19	19	20	21-22	23-29	30-39	40-59	60+
Universities	48.2%	57.3%	42.2%	47.2%	44.4%	33.0%	62.3%	52.9%	77.6%	42.2%	50.0%	50.4%	55.5%	54.6%	33.1%	28.1%	5.6%
State Colleges	27.2%	26.6%	27.6%	31.6%	20.5%	13.4%	5.8%	28.5%	5.9%	32.2%	31.9%	34.7%	32.3%	18.1%	14.7%	17.0%	0.0%
Community Colleges	24.6%	16.2%	30.2%	21.1%	35.1%	53.6%	31.8%	18.6%	16.5%	25.6%	18.1%	14.9%	12.2%	27.3%	52.1%	54.9%	94.4%
Total	$14,115	$5,685	$8,396	$9,984	$1,196	$737	$764	$55	$137	$2,177	$2,043	$2,022	$2,834	$2,969	$1,477	$458	$22

Notes: The figures are derived from Sc02dat which has 37,195 records.
Percents of row totals are prorated. Gender and age unknowns are less than 2%.
Race unknown is about 12%.
Bristol and Cape Cod are excluded. They did not supply social security numbers.
18,831 students were identified as recipients. 297 students were excluded.

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